AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF THE CLAIMS:

1. (Previously presented) A method executed by a processor for enabling personalized user context-aware notification in a mobile device, comprising:

gathering a user's physical context information from one or more sources wherein the user's physical context information includes current environment information for the user;

gathering user-specific location information from one or more sources, wherein the user-specific location includes at least a current location of a user;

gathering schedule information from one or more sources, wherein the schedule information includes a current activity of a user;

combining the user's physical context information and the user-specific location and the schedule information to derive user-context information;

combining user defined preferences, if they exist, together with the derived user-context information; and

directing the mobile device to modify its behavior based on the personalized results specific to the user, the personalized results based on the combining of the derived user context information and the user defined preferences, if they exist.

2. (Previously presented) The method according to Claim 1 wherein the behavior includes one of disabling the mobile device notification, lowering a volume of the mobile device notification, raising the volume of the mobile device notification, entering a silent mode, entering a vibrate-only mode, emitting a beep from the mobile device, causing a display screen on the mobile device to flash and causing a light emitting diode ("LED") on the mobile device to blink.

3. (Canceled).

4. (Previously presented) The method according to Claim 1 wherein gathering the user's physical context information includes gathering at least one of ambient light information, tactile information, ambient noise information, accelerometer information and orientation information.

5. (Currently amended) The method according to Claim 1 wherein gathering user-specific location further includes gathering at least one of a time of day and a date.

6. (Previously presented) The method according to Claim 1 wherein gathering the user's physical context information includes gathering the user context information from at least one of a light sensor, a tactile sensor, an ambient noise microphone, an accelerometer and an orientation sensor.

7. (Previously presented) The method according to Claim 5 wherein gathering schedule information includes gathering information from at least one of a user calendar program and the mobile device.

8. (Canceled)

9. (Previously presented) The method according to Claim 1 wherein the user defined preferences if they exist include at least one of a default set of preferences, a customized set of preferences and a learned set of preferences.

10. (Previously presented) A personalized user context-aware processing apparatus, comprising:
      at least one processing module capable of
      gathering user physical context information wherein the user's physical context
            information includes current environment information for the user,

gathering user-specific location information from one or more sources wherein the user-specific location includes at least a current location of a user;

gathering schedule information from one or more sources, wherein the schedule information includes a current activity of a user;

combining the user's physical context information and the user-specific location and the schedule information to derive user-context information;

combining user defined preferences, if they exist, together with the derived user-context information; and

the at least one processing module further capable of directing the mobile device to modify its behavior based on the personalized results specific to the user, the personalized results based on the combining of the derived user context information and the user defined preferences if they exist.

11. (Canceled).

12. (Previously presented) The processing apparatus according to Claim 10 wherein the at least one processing module is further capable of gathering at least one of light information, tactile information, ambient noise information, accelerometer information and orientation information.

13. (Previously presented) The processing apparatus according to Claim 10 wherein the at least one processing module is further capable of gathering at least one of a user calendar information, a user location, a time of day and a date.

14. (Previously presented) The processing apparatus according to Claim 10 further comprising at least one of:

a light sensor;

a tactile sensor;

an ambient noise microphone;

an accelerometer; and

an orientation sensor.

15. (Canceled)

16. (Previously presented) The processing apparatus according to Claim 10 wherein the at least one processing module comprises a preprocessing module and a context processing module.

17. (Currently amended) A machine-accessible medium having stored thereon instructions that, when executed by a machine, cause the machine to enable personalized user context-aware notification on the machine by:

gathering a user's physical context information from one or more sources wherein the user's physical context information includes current environment information for the user;

gathering user-specific location information from one or more sources, wherein the user-specific location includes at least a current location of a user;

gathering schedule information from one or more sources, wherein the schedule information includes a current activity of a user;

combining the user's physical context information and the user-specific location and the schedule information to derive user-context information;

combining user defined preferences if they exist, together with the derived user-context information; and

directing the mobile device to modify its behavior based on the personalized results for the specific user, the personalized results based on ~~of~~ the combining of the derived user context information and the user defined preferences, if they exist.

18. (Previously presented) The machine-accessible medium according to Claim 17 wherein the instructions, when executed by the machine, further cause the machine to direct the mobile device to perform at least one of disabling the mobile device notification, lowering the volume of the mobile device notification and raising the volume of the mobile device notification.

19. (Previously presented) The machine-accessible medium according to Claim 18 wherein the instructions, when executed by the machine, further cause the machine to gather physical context information and other context information.

20. (Previously presented) The machine-accessible medium according to Claim 19 wherein the instructions, when executed by the machine, further cause the machine to gather at least one of light information, tactile information, ambient noise information, accelerometer information and orientation information.

21. (Previously presented) The machine-accessible medium according to Claim 19 wherein the instructions, when executed by the machine, additionally cause the machine to gather at least one of a time of day and a date.

22. (Previously presented) The machine-accessible medium according to Claim 19 wherein the instructions, when executed by the machine, further cause the machine to gather the user's physical context information from at least one of a light sensor, a tactile sensor, an ambient noise microphone, an accelerometer and an orientation sensor.

23. (Previously presented) The machine-accessible medium according to Claim 19 wherein the instructions, when executed by the machine, further cause the machine to gather the user schedule information from at least one of a user calendar program and the mobile device.

24. (Canceled)